

Comparisons of Job Characteristics

Focus Occupation: Firefighters (33-2011)

Associated Occupation: Forest and Conservation Technicians (19-4093)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 58

Focus Occupation: Firefighters (33-2011)

Associated Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Geography	3.9	13.3	11.6	<	Expanded education and/or training may be required
Transportation	4.6	11.5	9.6	<	Expanded education and/or training may be required
Biology	3.7	9.4	4.9	<<	Extensive education and/or training may be required
History and Archeology	2.6	8.4	3.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Firefighters (33-2011)

Associated Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Management of Personnel Resources	6.9	9.1	7.2	<	A higher skill level may be required
Mathematics	6.2	9.1	5.6	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	5.3	6.7	>	Skill level is likely sufficient
Programming	2.2	4.6	1.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 72			
Focus Occupation: Firefighters (33-2011)					
Associated Occupation: Forest and Conservation Technicians (19-4093)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Far Vision	7.8	11.9	11.0	0	Current ability level may be sufficient
Depth Perception	5.3	9.2	11.5	>	Current ability level is likely sufficient
Stamina	4.0	8.0	11.6	>>	Current ability level is likely more than sufficient
Spatial Orientation	2.7	7.4	9.5	>	Current ability level is likely sufficient
Speed of Limb Movement	3.2	7.0	10.0	>>	Current ability level is likely more than sufficient
Glare Sensitivity	2.6	6.9	7.5	0	Current ability level may be sufficient
Dynamic Strength	3.5	6.5	11.8	>>	Current ability level is likely more than sufficient
Gross Body Equilibrium	3.2	6.4	9.7	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 83
Focus Occupation: Firefighters (33-2011) Associated Occupation: Forest and Conservation Technicians (19-4093)		
Work Activities	Exclusivity of Activity	
Communicate technical information	4	
Control and extinguish municipal or forest fires	89	
Determine best method for attacking fire	92	
Observe fire to note changing conditions	92	
Operate emergency fire or rescue equipment	80	
Patrol or guard area or premises	76	
Read maps	42	
Use chain saws	78	
Use fire suppression equipment	85	
Use fire suppression techniques	89	
Use forest fire protection methods	89	
Use hazardous materials information	35	
Use oral or written communication techniques	1	
Use two-way radio or mobile phone	42	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 74

Focus Occupation: Firefighters (33-2011)

Associated Occupation: Forest and Conservation Technicians (19-4093)

Tools and Technologies	Exclusivity
Aerial lifts	13
Audio and visual equipment	4
Business function specific software	1
Cameras	2
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Earth moving machinery	11
Fire fighting equipment	16
Garden tools	12
Geophysical and geotechnical instruments	23
Humidity and moisture measuring instruments	15
Igniters	47
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Lifting equipment and accessories	3
Meteorological instruments	16
Network applications software	1
Personal communication devices	2
Power tools	2
Prying and bending tools	10
Pumps	9
Safety and rescue vehicles	37
Sampling equipment	12
Specialized and recreational vehicles	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.